

Appln No. 09/522,185

Amdt date November 29, 2004

Reply to Office action of July 9, 2004

REMARKS/ARGUMENTS

Claims 1-94 are pending. Claims 1, 26, 49, and 74 are amended. Claim 12 is also amended to replace the term "capable of buffering" with "for buffering." The specification is amended to correct some typographical errors.

Applicants are willing to file any required Terminal Disclaimer, as contemplated by the Examiner.

Claims 1-3, 18, 20-28, 43, 45, 47-51, 58-59, 61, 66-68, 71-75, 82-83, 85-87, 90-91 are rejected under 35 U.S.C. 102(e) as being anticipated by Arimilli (US 6,515,984). Claims 4-17, 19, 29-42, 44, 46, 52-57, 60, 63-65, 69-70, 76-81, 84, 88-89, 92-93 are rejected under 35 U.S.C. 103(a) as being unpatentable over Arimilli as set forth above in view of Murphy (2002/0036791). In view of the following remarks, applicants respectfully submit that the application is in condition for allowance. Accordingly, reconsideration and allowance of the application are respectfully requested.

Amended independent claims 1 and 26 include, among other limitations, "exchanging voice signals between a network line and an asynchronous packet based network," and "asynchronously outputs the demodulated data signals to the asynchronous packet based network."

Arimilli does not teach the above recited limitations. Rather, Arimilli discloses a data multiplexing which multiplexes a plurality of asynchronous data channels with an asynchronous data stream representing compressed voice signals and/or facsimile signals onto a single synchronous data packet stream. (Abstract and Summary of the Invention, emphasis added).

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Therefore, the only data packet type of Arimilli to be transmitted over a communications link is a synchronous data packet stream.

Arimilli further stresses that a "data/voice/fax multiplexer 300a is configured to take voice information from telephone equipment, facsimile information from facsimile machines and asynchronous data from data terminal equipment (DTE) devices and combine this information and data for transmission over a single composite communications link." (Col. 4, lines 34-39, emphasis added). "The asynchronous data received by multiplexer 300 from the DTE devices is combined with packetized picture data and packetized compressed voice information for multiplexing and synchronous transmission over the composite link." (Col. 4, lines 61-65, emphasis added). Therefore, the only communications link of Arimilli for transmitting the synchronous data packet stream is a synchronous communications link.

In contrast, the full duplex data exchange of the present invention, as claimed by claims 1 and 26 exchanges "voice signals between a network line and an asynchronous packet based network," and "asynchronously outputs the demodulated data signals to the asynchronous packet based network."

Accordingly, claims 1 and 26 are not anticipated by Arimilli. Applicants further submit that dependent claims 2-25 and 27-48 that depend directly or indirectly from claims 1 and 26, respectively are also allowable as are claims 1 and 26, and for additional limitations recited therein.

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Amended independent claims 49 and 74 include, among other limitations, "exchanging voice signals between a network line ["first telephony device" in claim 74] and an asynchronous packet based network," and "demodulating data signals from the network line ["first telephony device" in claim 74] for asynchronously inputting to the asynchronous packet based network."

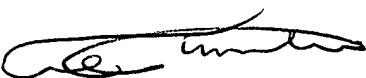
For the same reasons described above, independent claims 49 and 74 are not anticipated by Arimilli and thus are allowable over the cited references. Applicants further submit that dependent claims 50-73 and 75-94 that depend directly or indirectly from claims 49 and 74, respectively are allowable as are claims 49 and 74, and for additional limitations recited therein.

In view of the above amendments and following remarks, applicants respectfully submit that the application is in condition for allowance, therefore, reconsideration and allowance of the application are respectfully requested.

Respectfully submitted,

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